



# Military Operations Domain & Data and Services Division Technical Support Plan

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## 1 Purpose

2 This document contains a plan of action and milestones for the National Information Exchange  
3 Model (NIEM) Military Operations (MilOps) Domain model management and technical support to  
4 Joint Staff J6, Deputy Director for C5 Integration, Data and Services Division (JS J6 DDC5I DSD).

## 5 Overview

6 The material in this document is organized into two sections: model management, and planned  
7 activities. This material is generated from a GTRI perspective. As such, the material provided  
8 herein was not intended or designed to convey a complete plan of action and milestones (POA&M)  
9 for each line of activity. Rather it was designed to convey the NIEM MilOps support to that activity.  
10 For more information, please contact the appropriate POC listed for each activity.

## 11 Model Management

12 Configuration Management (CM) of the MilOps Domain data model is unique because the  
13 distributed approach to governance employed by NIEM requires synchronization among multiple  
14 governance and CM activities. This coordination demands a familiarity and in-depth technical  
15 understanding of NIEM, as well as data and messaging standards used by the Department, and its  
16 external partners (e.g., NATO, international, federal, state, local and tribal) organizations.

17 Like all of the other NIEM Domains, MilOps is independently governed and configuration managed  
18 under the broader umbrella of NIEM governance. The MilOps data model is an instantiation of the  
19 NIEM technical framework, and its public content is published as a harmonized and integral part  
20 of every NIEM release. MilOps non-public content is published to DoD controlled networks along  
21 with the public NIEM content immediately following a formal NIEM release.

22 The key documents describing the MilOps Domain scope, governance and supporting processes  
23 include the:

- 24 • MilOps Domain Value Proposition
- 25 • MilOps Domain Scope Summary
- 26 • NIEM MilOps Domain Charter
- 27 • NIEM MilOps Domain Operations and Maintenance Plan
- 28 • NIEM MilOps Domain Steward Agreement

29 All of these documents are available on the [NIEM MilOps APAN SharePoint Site](#).

30 Management of the MilOps Domain involves a reoccurring iterative, process supported by a  
31 continuous stream of on demand training, outreach, feedback, automation, software tool  
32 development, and technical engineering support (ref Figure 1). The core process involves the  
33 development and use of a new NIEM release to develop Information Exchange Package  
34 Documentation (IEPD) specifications to define new data exchanges (ref Figure 1, #1). This activity  
35 produces new data requirements for the MilOps data model, which are documented in a MilOps  
36 Change Request (CR) (ref Figure 1, #2).

37 Details of the MilOps CR process are well-  
 38 documented in the MilOps Operations and  
 39 Maintenance Plan. When a new CR is received,  
 40 the lead engineer for MilOps works with the  
 41 sponsoring organization to develop an Impact  
 42 and Solutions Assessment (ISA) document,  
 43 which provides a technical analysis of the  
 44 request, outlines options for implementation  
 45 and risks associated with the change (ref Figure  
 46 1, #3). When the ISA is completed it is  
 47 distributed to all MilOps stakeholders for a 30-  
 48 day review. At the end of the review period, all  
 49 interested stakeholders are afforded an  
 50 opportunity to discuss the CR and provide  
 51 additional inputs to the ISA package during an  
 52 open Technical Design Review (TDR) meeting,  
 53 during which consensus is achieved on how to  
 54 proceed forward with the CR (ref Figure 1, #4).  
 55 When the TDR is completed, a final CR/ISA  
 56 package is produced and sent to the MilOps  
 57 Configuration and Control Board (CCB) for review,  
 58 discussion and final disposition (ref Figure 1, #5).  
 59 Decisions by the CCB are forwarded to the NIEM  
 60 Business Architecture Committee (NBAC) in the  
 61 form of a Domain update, or recommended  
 62 change to NIEM Core (ref Figure 1, #6). All  
 updates to the NIEM reference model are published  
 in accordance with an annual 3-year release cycle  
 described in the [NIEM High-Level Version  
 Architecture](#) (ref Figure 1, #7). Additional  
 details regarding MilOps CM is available in the  
[MilOps Operations and Maintenance Plan](#).

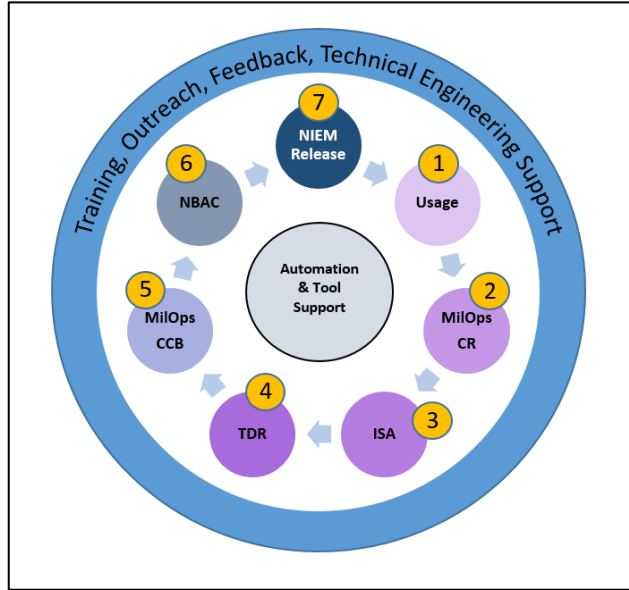


Figure 1: NIEM MilOps Process

63 The figure below provides a high level schedule of the CM activities and associated dependencies  
 64 over a typical 12-month period. Note that ongoing training, outreach, feedback technical  
 65 engineering support and tool development provide the foundation for all new semantic content  
 66 added to NIEM and NIEM MilOps.

| 1QTRFY   |      |          | 2QTRFY                 |      |          | 3QTRFY                 |      |          | 4QTRFY                 |      |          |
|--|------|----------|------------------------|------|----------|------------------------|------|----------|------------------------|------|----------|
| Oct  | Nov  | Dec      | Jan                    | Feb  | Mar      | Apr                    | May  | Jun      | Jul                    | Aug  | Sep      |
| Ongoing Training, Outreach, Feedback, Technical Engineering Support and Tool Development |      |          |                        |      |          |                        |      |          |                        |      |          |
| ↓  | ↓    | ↓        | ↓                      | ↓    | ↓        | ↓                      | ↓    | ↓        | ↓                      | ↓    | ↓        |
| Change Request Process   |      |          | Change Request Process |      |          | Change Request Process |      |          | Change Request Process |      |          |
|  |      | ↓<br>CCB |                        |      | ↓<br>CCB |                        |      | ↓<br>CCB |                        |      | ↓<br>CCB |
|  |      | ↓        |                        |      | ↓        |                        |      | ↓        |                        |      | ↓        |
| NBAC   | NBAC | NBAC     | NBAC                   | NBAC | NBAC     | NBAC                   | NBAC | NBAC     | NBAC                   | NBAC | NBAC     |
| ↓  | ↓    | ↓        | ↓                      | ↓    | ↓        | ↓                      | ↓    | ↓        | ↓                      | ↓    | ↓        |
| NIEM v4.x (includes public MilOps)   |      |          |                        |      |          |                        |      |          |                        |      |          |
| NIEM v4.x (includes public & non-public MilOps)  |      |          |                        |      |          |                        |      |          |                        |      |          |

Figure 2: Twelve-Month MilOps Activity Schedule

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